

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 60005251
PUBLICATION DATE : 11-01-85

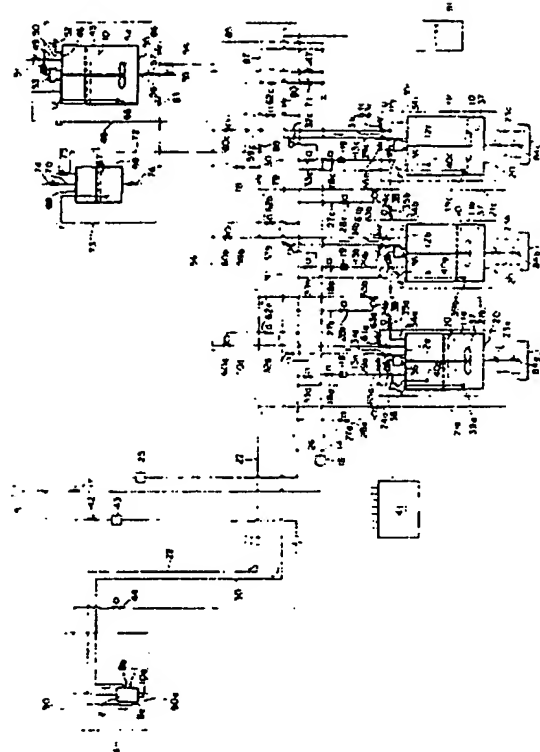
APPLICATION DATE : 23-06-83
APPLICATION NUMBER : 58111922

APPLICANT : TOYO SEIKAN KAISHA LTD;

INVENTOR : YOKOI SHIGERU;

INT.CL. : B05B 12/00 B05C 11/10

TITLE : CONTINUOUS SUPPLY METHOD AND
APPARATUS OF PAINT



ABSTRACT : PURPOSE: To enable continuous painting by preventing the clogging of a slurry paint in an apparatus, in performing the injection painting of the slurry paint continuously for a long time by a painting gun, by a method wherein a plurality of paint tanks are provided and painting is performed while paints are moved to the tanks.

CONSTITUTION: In painting a slurry paint prepared by dispersing a thermally fusible resin powder such as a nylon powder or a carboxylic acid modified polyolefin powder in a poor solvent, the resin powder in the slurry paint is precipitated to result in clogging in the painting apparatus and continuous painting work becomes impossible. In order to prevent this phenomenon, three slurry paint tanks 11a, 11b, 11c are provided and the paint in the first tank 11a is sent to a painting gun 1 under pressure while the excessive returned paint is introduced into the second tank 11b. When the paint in the first tank 11a decreases and the paint in the second tank 11b increases, the returned paint is introduced into the third tank 11c. In the next step, the paint in the second tank 11b is sent to the painting gun and the paint is circulated and used without stopping the paint by successively utilizing three tanks to prevent the clogging in the apparatus caused by the precipitation of the resin in the slurry paint.

COPYRIGHT: (C)1985,JPO&Japio